

Art Unit: \*\*\*

CLMPTO

April 28, 2005

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1. A receiver which conducts search within a first frequency range with respect to a center frequency of each channel to register received data into a memory and counts the number of receivable channels thereby determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan, comprising:
  - 5 frequency setting means for setting a second frequency range narrower than the first frequency range; and
  - 10 determining means for determining whether within a terrestrial-wave television broadcast or within a CATV broadcast by counting the number of received channels in the second frequency range.
2. A receiver according to claim 1, wherein the second frequency range is a frequency range of  $\pm$  approximately 200 kHz around the center frequency.

### Claim 3 (cancel)

4. A receiver which conduct search within a first frequency range with respect to a center frequency of each channel to register received data into a memory and counts the number of receivable channels, thereby determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan, comprising:
  - 5 frequency setting means for setting a third frequency range removed of a range of  $\pm$  approximately 200 kHz about the center frequency + 2 MHz when counting the number of receivable channels of CATV broadcast in a UHF band overlapped with a television channel.
  6. A receiver according to claim 4, wherein the first frequency range is a frequency range of  $\pm$  approximately 2 MHz around the center frequency.
6. A receiver which conduct search within a first frequency range with respect to a

center frequency of each channel to register received data into a memory and counts the number of receivable channels, thereby determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan, comprising:

first frequency setting means for setting a second frequency range narrower than the first frequency range;

second frequency setting means for setting a third frequency range removed of a range of  $\pm$  approximately 200 kHz of about the center frequency + 2 MHz when counting the number of receivable channels of a CATV broadcast in a UHF band overlapped with a television channel; and

determining means for determining whether within a terrestrial-wave television broadcast or within a CATV broadcast by counting the number of received channels filtered by said first frequency setting means and said second frequency setting means.

7. A receiver according to claim 6, wherein the second frequency range is a frequency range of  $\pm$  approximately 200 kHz of around the center frequency.

**Claim 8 (cancel)**

9. A method for determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan by search in a first frequency range with respect to a center frequency of each channel to register received data into a memory and counting the number of receivable channels, comprising the steps of:

- (a) setting a second frequency range narrower than the first frequency range; and
- (b) counting the number of reception channels in the second frequency range and determining whether within a terrestrial-wave television broadcast or within a CATV broadcast.

10. A method for determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan by search in a first frequency range with respect to a center frequency of each channel and counts the number of receivable channels, comprising the steps of:

- (a) setting a second frequency range narrower than the first frequency range;
- (b) setting a third frequency range removed of a range of  $\pm$  approximately 200 kHz of about the center frequency  $\pm$  2 MHz when counting the number of receivable channels of a CATV broadcast in a UHF band (overlapped with a television channel); and
- (c) counting the number of reception channels filtered in the second frequency range and in the third frequency range and determining whether within a terrestrial-wave television broadcast or within a CATV broadcast.

11. A receiver for determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast plan by search in a first frequency range with respect to a center frequency of each channel and registers received data in a memory

said receiver comprising a computer, wherein said computer executes the steps of:

- (a) setting a second frequency range narrower than the first frequency range; and
- (b) counting the number of reception channels in the second frequency range and determining whether a terrestrial-wave television broadcast or a CATV broadcast.

12. A receiver for determining whether within a terrestrial-wave television broadcast channel plan or within a CATV broadcast channel plan by search in a first frequency range with respect to a center frequency of each channel and counts the number of receivable channels,

said receiver comprising a computer, wherein said computer executes the steps of:

- (a) setting a second frequency range narrower than the first frequency range;

(b) setting a third frequency range removed of a range of  $\pm$  approximately 200 kHz of about the center frequency  $\pm$  2 MHz when counting the number of receivable channels of a CATV broadcast in a UHF band overlapped with a television channel; and

(c) counting the number of reception channels filtered in the second frequency range and in the third frequency range and determining whether within a terrestrial-wave television broadcast or within a CATV broadcast.

13. (New) A receiver according to claim 1, wherein the first frequency range is a frequency range of  $\pm$  approximately 2 MHz around the center frequency.

14. (New) A receiver according to claim 2, wherein the first frequency range is a frequency range of  $\pm$  approximately 2 MHz around the center frequency.

15. (New) A receiver according to claim 6, wherein the first frequency range is a frequency range of  $\pm$  approximately 2 MHz of around the center frequency.

16. (New) A receiver according to claim 7, wherein the first frequency range is a frequency range of  $\pm$  approximately 2 MHz of around the center frequency.